SECTION 9-02, BITUMINOUS MATERIALS
June 26, 1995

9-02.1(4) Paving Asphalt

This section number is revised to read:

9-02.1(4)A Paving Asphalt

The following is inserted prior to Section 9-02.1(4)A:

9-02.1(4) Asphalt Cements

9-02.1(4)B Modified Paving Asphalt

This new section is added:

	AASHTO	Secification Requirements	
	Test Method	PBA-6	PBA-6GR
Penetration (39.2F, 200g, 60s), dmm			
RTFO Aged Residue[2]	T-49	30+	30+
Absolute Viscosity 140F, p[5]			
Original Binder	T-202	2000+	2000+
RTFO Aged Residue	T-202	5000+	5000+
Kinematic Viscosity 275F, cSt			
Original Binder	T-201	2000-	2000-
RTFO Aged Residue	T-201	275+	275+
Absolute Viscosity Ratio 140F			
RTFO Viscosity/			
Original Viscosity		4.0-	4.0-
Flash Point, Cleveland Open Cup, F			
Original Binder	T-48	450+	450+
Ductility (77F, 5cm/min), cm			
RTFO Aged Residue	T-51	60+	___

PBA-6GR shall contain not less than 10 percent by weight of total material of powdered rubber meeting the requirements described below for sieve analysis and chemical properties.

Sieve Analysis (U.S. Standard Screens)

Sieve Size	Percent Passing
#60	99-100
#80	89-100
#100	74-90
#200	24-90

Chemical Properties

Acetone Extract (ASTM D 297) % max.	23
Ash (ASTM D 297B) % max.	7
Carbon Black (ASTM D 297B) % max.	34
Rubber Hydrocarbon (by difference) % max.	42
Specific Gravity (ASTM D 297)	1.15 ± 0.02
Moisture Content % max.	1.0

[2]"RTFO Aged Residue" means the asphaltic residue obtained using the Rolling Thin-Film Oven Test (RTFO Test), AASHTO T 240 or ASTM D 2872.

[5]The Absolute Viscosity (140F) of PBA-6 and PBA-6GR will be determined at 1 sec $^{-1}$ using ASTM P 159 (Vol. 4.03, 1985) with Asphalt Institute Vacuum Capillary Viscometers.

9-02.2(1) Notice of Shipment

This section is revised in its entirety to read:

9-02.2(1) Certification of Shipment

Bituminous materials may be accepted by the Engineer based on the asphalt supplier's Certification of Compliance incorporated in their Bill of Lading. The Certification will include a statement certifying specification compliance for the product shipped. Failure to provide this Certification with the shipment shall be cause for rejection of the material. The following information is required on the Bill of Lading:

1. Date
2. Contract No. and/or Project Name
3. Grade of commodity and Certification of Compliance
4. Anti-strip type
5. Percent Anti-strip
6. Weight (net tons)
7. Volume (gross gallons)
8. Temperature of load (F)
9. Bill of Lading number

10. Consignee and delivery point
11. Signature of supplier's representative
12. Supplier (Bill of Lading generator)
13. Supplier's address
14. Refiner
15 Refiner's location

The Bill of Lading shall be supplied at the time of shipment of each truck load, truck and trailer, or other lot of asphalt. In addition to the copies the Contractor requires, one copy of the Bill of Lading including the Certification Statement shall be sent with the shipment for agency use and one copy sent on a weekly basis to the Olympia Service Center Materials Laboratory, P.O. Box 167, Olympia, WA 98507-0167.